

Converting Colors

XYZ(14.7823, 27.5145, 8.1974)

Have a look what the booklet for
XYZ(14.7823, 27.5145, 8.1974)
contains.

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Color

**XYZ(14.7719, 27.5094,
8.1457)**

Conversions

Conversions Part 1

Format	Color
Hex	21A537
RGB	33, 165, 55
RGB Percent	13%, 65%, 22%
CMY	0.8706, 0.3529, 0.7843
CMYK	0.80, 0.00, 0.67, 0.35
HSL	130°, 67%, 39%
HSV	130°, 80%, 65%
XYZ	14.7719, 27.5094, 8.1457
YIQ	112.9920, -43.3620, -62.1940

Conversions

Conversions Part 2

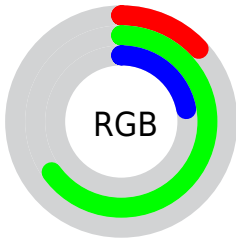
Format	Color
R_{YB}	33, 146, 165
Decimal	2204983
CIE _{Lab}	59.44, -56.36, 45.80
CIE _{LCh}	59, 72.624, 140.901
Y _{xy}	27.5094, 0.2929, 0.5455
Android (android.graphics.Color)	4280395063 (0xFF21A537)
YUV	112.9920, -28.5901, -70.1530
Hunter-Lab	52.4494, -41.5135, 27.5065

Details

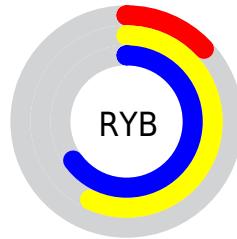
The XYZ color **14.7719, 27.5094, 8.1457** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **21.0195, 11.0706, 27.0158**, and the grayscale version is **15.7856, 16.6077, 18.0858**.

A 20% lighter version of the original color is **33.9898, 55.5992, 22.8502**, and **5.7942, 11.5883, 1.9314** is the 20% darker color. If you saturate the color by 10%, you get **14.0827, 27.1878, 6.6266**, and if you desaturate by 10%, it is **15.8131, 28.0034, 10.1619**.

Distribution



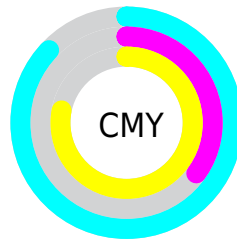
- Red (13%)
- Green (65%)
- Blue (22%)



- Red (13%)
- Yellow (57%)
- Blue (65%)



- Cyan (80%)
- Magenta (0%)
- Yellow (67%)
- Black (35%)





- Cyan (87%)
- Magenta (35%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.7719, 27.5094, 8.1457 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 14.7719, 27.5094, 8.1457 by changing the saturation by 10% instead.


 14.7719, 27.5094,
8.1457


 14.7719, 27.5094,
8.1457


215.3973,
290.1152, 186.8475


 8.7447, 17.9562,
4.0992


 34.0275, 55.7002,
22.7945


 4.6308, 10.9185,
1.6799


 47.9866, 75.1066,
34.2338


 2.0648, 6.0121,
0.3469

 65.3204, 98.5661,
48.9745

 0.6700, 2.8524,
0.0000

 86.3943, 126.4632,
67.4351

 0.0000, 1.0552,
0.0000

 111.5735,
159.1823, 90.0342

 0.0000, 0.0000,
0.0000

 141.2235,

197.1077, 117.1902

175.7097,
240.6239, 149.3218

■ 14.7719, 27.5094,
8.1457

■ 14.7719, 27.5094,
8.1457

■ 14.0827, 27.1878,
6.6266

■ 15.8131, 28.0034,
10.1619

■ 13.6594, 26.9928,
5.5579

■ 17.2447, 28.6865,
12.7116

■ 13.6594, 26.9928,
5.5579

■ 19.1021, 29.5769,
15.8297

■ 21.4161, 30.6899,
19.5478

■ 24.2146, 32.0393,
23.8950

■ 27.5234, 33.6377,
28.8987

■ 31.3661, 35.4968,
34.5845

■ 35.7652, 37.6277,
40.9767

■ 40.7418, 40.0408,
48.0984

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.3819, 27.5094, 3.2798



14.7719, 27.5094, 8.1457



12.3832, 27.5094, 22.6987

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



14.7719, 27.5094, 8.1457



23.4731, 27.5094, 111.8227



46.1643, 27.5094, 15.3830

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



14.7719, 27.5094, 8.1457



21.0195, 11.0706, 27.0158

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.5395, 27.5094, 38.6085



14.7719, 27.5094, 8.1457



32.9076, 27.5094, 105.5198

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



14.7719, 27.5094, 8.1457



16.5818, 27.5094, 88.1954



42.2343, 27.5094, 74.0432



38.8242, 27.5094, 5.4515

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



14.7719, 27.5094, 8.1457



12.4414, 27.5094, 40.4778



42.2343, 27.5094, 74.0432



47.3972, 27.5094, 21.4318

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



14.7726, 27.5105, 8.1463



46.5441, 58.9131, 47.6269



25.0583, 32.8610, 6.4610



9.7453, 12.6718, 9.7598



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.7726, 27.5105, 8.1463



24.6376, 48.4230, 10.3185



17.5342, 28.6152, 22.6890



7.0315, 7.9134, 7.7776



10.3462, 20.4248, 4.2737



0.2302, 0.4343, 0.1571

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.0195, 11.0706, 27.0158



36.1135, 17.8045, 44.6730



17.4012, 9.6233, 7.9618



7.3134, 7.1818, 8.6367



15.1976, 7.4351, 18.7627



0.3320, 0.1613, 0.4609

Previews

White Background



This preview shows how the XYZ color 14.7719, 27.5094, 8.1457 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 14.7719, 27.5094, 8.1457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.7719, 27.5094, 8.1457

Background



This preview shows how black text looks on a background with the XYZ color 14.7719, 27.5094, 8.1457.



This preview shows how white text looks on a background with the XYZ color 14.7719, 27.5094,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

14.7719, 27.5094, 8.1457

Protanopia

24.5255, 26.9387, 6.8128

Deuteranopia

27.5226, 26.9397, 8.7503



Tritanopia

21.2783, 27.3177, 40.7106

Trichromacy



Original Color

14.7719, 27.5094, 8.1457



Protanomaly

18.3139, 25.5624, 7.1008



Deuteranomaly

19.4334, 25.1798, 8.2508



Tritanomaly

17.7377, 26.8596, 23.9882

Monochromacy



Original Color

14.7719, 27.5094, 8.1457



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

13.8392, 19.1601, 13.0941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7719, 27.5094, 8.1457 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(33, 165, 55)` looks like.

```
.text, #text, p{  
    color:rgb(33, 165, 55)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(33, 165, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 165, 55) }
```

Border

The CSS property to change the border of an element to XYZ 14.7719, 27.5094, 8.1457 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(33, 165, 55) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(33, 165, 55) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(33, 165, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 165, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 165, 55);  
box-shadow:4px 4px 4px 4px rgb(33, 165,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7719, 27.5094, 8.1457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 165, 55) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(33, 165,  
55) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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